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Attachment #1

Misc - 56
24 Nov 64

25X1 SUBJECT: [redacted] Progress Review Meeting, 20 Nov 64 -
PAR 202, Briefing Print Enlarger, and
PAR 224, 3X - 15X Fluid Gate Enlarger

25X1 VISITORS: [redacted]

CONTRACTOR PERSONNEL: [redacted] 25X1

25X1 1. [redacted] has been assigned to monitor these projects,
25X1 replacing [redacted]

2. The discussion was a description of the proposed form of the development model and the concepts in the:

a. Negative transport system.

b. Print stock platen.

c. Lens design work for color and black-and-white operation.

d. Means for controlling magnification and obtaining the optimum lens focus.

e. Vibration isolation.

Questions were asked for clarification of various points in the description.

25X1 3. [redacted] will be asked to evaluate our proposal for a 10X Color Lens, PAR 230, for the 10-20-40X Precision Enlarger. He had a copy of the Final Report on PAR 3, 20X Color Lens and asked for comment. We discussed the proposal on PAR 230 including the reasons for making two independent optical designs and sample lenses for testing, and the differences between the lens design requirements in PAR 202, PAR 224, and those for the 10-20-40X Precision Enlarger.

ACTION ITEMS

4. None.

NGA Review Complete

GROUP 1
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25X1

MONTHLY REPORT

[redacted]

25X1

PAR 202

30 Oct 64

SUBJECT: Briefing Print Enlarger

TASK/PROBLEM

1. To design and build a prototype enlarger for exposing high-quality briefing prints in formats up to and including 20 x 24 inches in size. Magnification to be in the 10 - 60 diameter range. The enlarger will be able to produce both black-and-white and color prints. Changing from one capability to the other should be made with a minimum of effort.

DISCUSSION

2. This project is proceeding with close correlation to the work on PAR 224. Work on these projects has been on:

a. Negative transport model.

b. The vacuum platen and carriage.

c. Lens design: Lens designs for three of the required four color-corrected objectives have been computed which meet the requirements of our specification 469-320. This is indication that the specification may have been too conservative in its requirements upon the designer. The possibility has appeared in the design work that a set of color-corrected lenses can be designed which exceeds our requirements in specification 469-320 and which also will meet the requirements of specification 469-319 for the black-and-white lens when it is used with a narrow band blue filter. Our lens designer is making an exploration of this possibility for one lens.

d. Focus calibration.

3. A more complete discussion of the work is found under PAR 224 in this report.

PLANNED ACTIVITY

4. Next period work will be continued on the activities mentioned above.

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